

Remarks

The Applicant respectfully requests reconsideration of the present U.S. Patent application as amended herein. Claims 56, 80, and 104 have been amended. No claims have been added, cancelled, or withdrawn in this response. Thus, claims 56-114 remain pending in this application.

Claim Rejections § 102(e)

Claims 56-114 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,141,567 issued to Youssefmir, et al. (*Youssefmir*). For at least the reasons set forth below, the Applicant submits that claims 56-114 are not anticipated by *Youssefmir*.

The Manual of Patent Examining Procedure (“MPEP”), in § 2131, states:

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. V. Union Oil Co. California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). “The identical invention must be shown in as complete detail as is contained in the ... claim.” *Richardson v. Suzuki Motor Co.*, 869 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).

Thus, under 35 U.S.C. § 102, a claim is anticipated *only if* each and every element of the claim is found in the cited reference and the cited reference must show the invention in as complete detail as contained in the claim.

Independent claims 56 and 104, as amended, recite the following:

determin[ing] signature data of **one or more interferers**; and

modify[ing] the antenna processing strategy to realize an improved null toward at least one interferer **by incorporating the determined signature data of the one or more interferers** with the received signal data to reduce one or both of antenna transmit signal

strength in, and sensitivity of the antenna to signals from, one or more interferers.

(Emphasis added). Independent claim 80, as amended, similarly recites, “the circuitry to determine the signature data of one or more interferers and to incorporate the signature data with the received signal data to modify the processing strategy to realize an improved null toward at least one interferer by reducing one or both of antenna transmit signal strength in, and sensitivity of the antenna to signals from, one or more interferers.”

Regarding the highlighted portions of the independent claims, the Office action directs the Applicant’s attention to column 6, lines 43-56 and column 25 line 35 through column 26 line 21 of *Youssefmir* which states, in part, the following:

Several methods are known for determining the weighing vectors to be applied when processing received signals. These include ... methods that use the spatial or spatio-temporal characteristics of subscriber units, for example, the spatial or spatial-temporal signatures.

Youssefmir is generally directed to a “method for computing strategies ... from a past signal ... by adding a scaled version of a present signal into the past signal.” See, for example, column 4, lines 6-10. The Applicant notes that the cited passages of *Youssefmir* do not disclose modifying an antenna processing strategy to realize an improved null toward at least one interferer. Similarly, the cited passages of *Youssefmir* do not disclose “incorporating the determined signature data of the one or more interferers with the received signal data.” Thus, the cited passages of *Youssefmir* cannot disclose “modifying the antenna processing strategy to realize an improved null toward at least one interferer by incorporating the determined signature data of the one or more interferers with the received signal data,” as recited in claims 56, 80, and 104. For at least the above-stated

reasons, the Applicant respectfully submits that *Youssefmir* does not anticipate independent claims 56, 80, and 104.

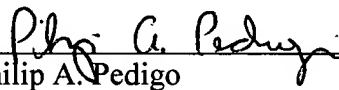
Claims 57-79 depend from claim 56. Claims 81-103 depend from claim 80. Claims 105-114 depend from claim 104. Because dependent claims include the limitations of the claims from which they depend, the Applicant submits that claims 57-79, 81-103 and 105-114 are not anticipated by *Youssefmir*.

Conclusion

The Examiner is respectfully requested to contact the undersigned by telephone if such contact would further the examination of the present application. Please charge any shortages and credit any overcharges to our Deposit Account number 02-2666.

Respectfully submitted,
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